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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

Reports from San Francisco, Cal.—Plague-prevention work at Oakland and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.

Date of last case of rodent plague: October 23, 1908.

Week ended January 23, 1909.

Sick inspected	10
Plague	0
Dead inspected.....	101
Plague	0
Premises inspected	9,553
Houses disinfected	8
Houses destroyed	5
Buildings condemned.....	10
Nuisances abated.....	700
Rats found dead.....	77
Rats trapped.....	2,122
Total rats taken.....	<u>2,199</u>
Rats identified:	
Mus norvegicus	1,563
Mus rattus	55
Mus musculus.....	529
Total	<u>2,147</u>
Rats identified as to sex	1,555
Male	650
Female	905
Rats examined bacteriologically.....	1,487
Plague rats	0
Poisons placed	74,140

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.

Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended January 16, 1909.

Dead inspected	27
Plague	0
Necropsies held	1
Premises inspected	723
Nuisances abated	145
Premises cleaned	180
Garbage cans installed	137
Places made rat proof	5
Rats found dead	12
Rats trapped	678
Rats examined bacteriologically	625
Plague rats	0
Mice trapped	66
Mice examined bacteriologically	66
Plague mice	0
Poisons placed	3,355

Week ended January 23, 1909.

Dead inspected	22
Plague	0
Necropsies held	4
Premises inspected	663
Nuisances abated	121
Premises cleaned	149
Garbage cans installed	125
Places made rat proof	9
Rats found dead	34
Rats trapped	644
Rats examined bacteriologically	647
Plague rats	0
Mice trapped	24
Mice examined bacteriologically	24
Plague mice	0
Poisons placed	8,762

POINT RICHMOND, CAL.

Week ended January 16.

Sick inspected	1
Plague	0
Dead inspected	1
Plague	0
Premises inspected	490
Nuisances abated	28
Rats found dead	21
Rats trapped	43
Rats examined bacteriologically	45
Plague rats	0
Poisons placed	14,000

Week ended January 23.

Sick inspected	2
Plague	0
Dead inspected	2
Plague	0
Premises inspected	490
Nuisances abated	25
Rats found dead	21
Rats trapped	43
Rats examined bacteriologically	33
Plague rats	0
Poisons placed	14,000

ALAMEDA COUNTY, CAL.

Week ended January 16.

Sick inspected	7
Plague	0
Dead inspected	60
Plague	0
Necropsy held	1

Week ended January 23.

Sick inspected	14
Plague	0
Dead inspected	47
Plague	0
Necropsies held	4

CONTRA COSTA COUNTY, CAL.

Week ended January 16.

Dead inspected	4
Plague	0
Necropsies held	3

Week ended January 23.

Dead inspected	3
Plague	0
Ranches inspected	46
Ranches found free from squirrels	4
Ranches poisoning squirrels	1
Ranches refusing to poison squirrels	1
Necropsy held	1

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, January 25:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended January 23, 1909.

Rats received	954
Rats necropsied	877
Plague rats	0
Plague infected rats to date	21
Vessels inspected	19
Vessels fumigated	0

Report from Cairo, Ill.—Smallpox—Vaccination.

Passed Assistant Surgeon Wilson reports, January 28:

Smallpox has increased in prevalence in Cairo during the last few weeks. There are probably more than 100 cases now under treatment. A physician has been appointed by the mayor to take charge of the situation. Formerly a nonmedical man was acting as health officer. Vaccination is being urged on the people through the physicians and the schools.

All patients whether admitted to the Marine Hospital or treated as out-patients are vaccinated without regard to whether they have old scars or not. All persons living on the reservation have been recently vaccinated.

Crews of vessels are vaccinated at the request of captains, and captains are advised that vaccination be done.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES
OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*Sacramento*.—Month of December, 1908. Estimated population, 50,000. Total number of deaths 69, including enteric fever 1, diphtheria 2, and 9 from tuberculosis. Cases: Diphtheria 10, measles 3, scarlet fever 2, enteric fever 5, and smallpox 9.

IOWA—*Keokuk*.—Month of December, 1908. Estimated population, 16,000. Total number of deaths not reported, including 2 from tuberculosis. Cases: Enteric fever 1, scarlet fever 1, diphtheria 1, and tuberculosis 1.

MICHIGAN—*Port Huron*.—Two months ended January 9, 1909. Estimated population, 26,874. Total number of deaths, 37, including enteric fever 1, and 1 from tuberculosis. Cases: Enteric fever 10, diphtheria 1, smallpox 4, and tuberculosis 1.

MINNESOTA—*Minneapolis*.—Month of December, 1908. Estimated population, 300,000. Total number of deaths, 244, including diphtheria 9, enteric fever 7, scarlet fever 1, and 23 from tuberculosis. Cases: Diphtheria 105, enteric fever 3, scarlet fever 33, smallpox 13, and tuberculosis 26.

MISSOURI—*St. Louis*.—Month of November, 1908. Estimated population, 722,000 (white, 675,700; colored, 46,500). Total number of deaths, 800 (white, 725; colored, 75), including diphtheria 22, measles 1, enteric fever 9, and 92 from phthisis pulmonalis. Cases of contagious diseases reported: Diphtheria 247, enteric fever 33, measles 34, scarlet fever 80, whooping cough 8, smallpox 3, and tuberculosis 126.

NEW YORK.—Month of November, 1908. Estimated population, 8,546,356. Reports to the state department of health show as follows: Total number of deaths, 10,306, corresponding to an annual death rate of 14.5 per 1,000 of the population, including enteric fever 149, measles 20, scarlet fever 63, whooping cough 24, diphtheria 200, and 1,242 from tuberculosis. Cases: Diphtheria 1,960, enteric fever 586, measles 1,147, scarlet fever 1,658, smallpox 55, and tuberculosis 2,097.

Auburn.—Month of December, 1908. Estimated population, 38,500. Total number of deaths, 37, including enteric fever 1, whooping cough 1, and 7 from tuberculosis. Cases of contagious diseases reported: Diphtheria 4, enteric fever 3, whooping cough 3, phthisis pulmonalis 6.

Troy.—Month of December, 1908. Estimated population, 77,650. Total number of deaths, 123, including diphtheria 2, enteric fever 4, and 18 from tuberculosis. Cases: Enteric fever 16, diphtheria 18, scarlet fever 1, whooping cough 5, and 11 from tuberculosis.

OHIO—*Columbus*.—Month of November, 1908. Estimated population, 185,000. Total number of deaths, 182, including enteric fever 2,

diphtheria 3, and 23 from tuberculosis. Cases: Diphtheria 5, enteric fever 17, measles 11, scarlet fever 42, whooping cough 3, and tuberculosis 132.

Month of December. Total number of deaths, 152, including enteric fever 3, scarlet fever 1, diphtheria 2, and 19 from tuberculosis. Cases: Diphtheria 6, scarlet fever 30, whooping cough 1, measles 46, enteric fever 13, and tuberculosis 81.

Cleveland.—Month of December, 1908. Estimated population, 515,000. Total number of deaths, 549, including diphtheria 12, enteric fever 7, measles 2, scarlet fever 1, and 59 from tuberculosis. Cases of contagious disease not reported.

PENNSYLVANIA—*Titusville.*—Annual report for the year 1908. Estimated population, 8,244. Total number of deaths, 125, including measles 1, scarlet fever 1, and 8 from tuberculosis. Cases: Scarlet fever 39, enteric fever 15, measles 208, diphtheria 1.

TEXAS—*San Antonio.*—Month of December, 1908. Estimated population, 100,000. Total number of deaths, 153, including enteric fever 2, and 25 from tuberculosis. Cases: Enteric fever 7, diphtheria 7, smallpox 6, and measles 1.

UTAH—*Salt Lake City.*—Month of December, 1908. Estimated population, 85,000. Total number of deaths from all causes, 89, including enteric fever 2, diphtheria 2, whooping cough 1, scarlet fever 8, and 5 from tuberculosis. Cases: Diphtheria 8, whooping cough 26, measles 2, scarlet fever 62, enteric fever 5.

WASHINGTON—*Seattle.*—Month of October, 1908. Estimated population, 276,562. Total number of deaths, 162, including scarlet fever 1, enteric fever 10, whooping cough 1, and 16 from tuberculosis. Cases: Diphtheria 59, measles 9, enteric fever 66, scarlet fever 38, smallpox 3, tuberculosis 9.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to February 5, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Jan. 12-23	1	Year 1908.
Tuscaloosa County	Feb. 6-Dec. 31	86	
Total for State		87	
Arkansas:				
Little Rock	Dec. 15-Jan. 2	23	
Texarkana	Nov. 26-Jan. 11	10	
Total for State		33	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks
California, general	Nov. 1-30		2	
Los Angeles	Dec. 6-Jan. 16	8		
Oakland	Nov. 1-Dec. 31	6		
Sacramento	Nov. 1-Dec. 31	24		
San Francisco	Dec. 13-Jan. 16	15		
Stockton	Nov. 1-30	12		
Total for State		65	2	
District of Columbia:				
Washington	Dec. 28-Jan. 2	1		
Total for District		1		
Illinois:				
Belleville	Dec. 4-20	3		
Browning	Oct. 25-Jan. 20	75		
Cairo	Jan. 7-28	100		
Centralia	July 1-Jan. 20	53		
Chicago	Jan. 3-23	3		
Danville	Jan. 11-24	2		
Ladd	Nov. 1-30	4		
Peoria	Dec. 20-26	4		
Taylorville	Aug. 1-Jan. 20	40		
Total for State		284		
Indiana:				
Allen County, Fort Wayne	Jan. 10-16	1		
Benton County	Nov. 1-30	1		
Boone County	Nov. 1-30	1		
Carroll County	Oct. 1-31	26		
Clay County	Oct. 1-31	8		
Dearborn County	Oct. 1-31	1		
Elkhart County	Oct. 1-Nov. 30	7		
Elkhart	Jan. 17-23	2		
Hendricks County	Nov. 1-30	2		
Madison County	Oct. 1-31	1		
Anderson	Dec. 1-31	1		
Marion County, Indianapolis	Jan. 18-24	1		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Nov. 30	18		
Lafayette	Dec. 15-Jan. 25	39	1	
Tipton County	Nov. 1-30	1		
Vanderburg County	Jan. 15	2		
Evansville	Jan. 10-28	5		
Vigo County	Oct. 1-Nov. 30	6		
Wabash County	Nov. 1-30	3		
Wayne County	Nov. 1-30	8		
Total for State		136	1	
Iowa, general	July 1-Sept. 30		2	
Council Bluffs	July 1-Dec. 31	19	2	
Total for State		19	4	
Kansas:				
Atchison County—				
Atchison	Dec. 20-Jan. 16	2		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-30	15		
Crawford County—				
Pittsburg	Nov. 1-Dec. 31	107		
Harvey County	Nov. 1-30	3		
Jackson County	Nov. 1-30	85		
Montgomery County	Nov. 1-30	11		
Pottawatomie County	Nov. 1-30	22		
Reno County	Nov. 1-30	2		
Riley County	Nov. 1-30	2		
Saline County	Nov. 1-30	16		
Shawnee County	Nov. 1-30	2		
Topeka	June 7-Jan. 23	37		
Sumner County	Nov. 1-30	5		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-23	3		
Total for State		325		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kentucky:				
Anderson County.....	Oct. 1-Jan. 20.....	200	1	Including Lawrenceburg
Covington.....	Dec. 29-Jan. 23.....	7	5	
Henderson.....		7		Jan. 1-June 30, 1908.
Lexington.....	Dec. 28-Jan. 23.....	17		
Newport.....	July 1-Jan. 30.....	20	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Total for State.....		251	1	
Louisiana:				
Arcadia Parish.....	Dec. 20-Jan. 11.....	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans.....	Dec. 20-Jan. 23.....	7		
Shreveport.....	Jan. 1-20.....	32	1	
Total for State.....		69	1	
Maine:				
Cyr p'antation.....	Oct. 16-24.....	11		
Frenchville.....	Nov. 11-Dec. 5.....	2		
Grand Isle (Grant Isle).....	Oct. 16-Dec. 12.....	26		
St. Agatha.....	Oct. 24-Dec. 26.....	9		
St. David.....	Dec. 13-19.....	1		
Upper Frenchville.....	Oct. 25-Nov. 11.....	2		
Van Buren.....	Oct. 18-Jan. 23.....	81		
Total for State.....		132		
Massachusetts:				
Taunton.....	Jan. 3-9.....	1		
Total for State.....		1		
Michigan:				
Barry County.....	Nov. 1-30.....	2		
Delta County.....	Nov. 1-30.....	1		
Ingham County—				
• Lansing.....	Nov. 1-30.....	6		
Macomb County.....	Nov. 1-30.....	1		
Manistee County.....	Nov. 1-30.....	2		
Muskegon County.....	Nov. 1-30.....	13		
Saginaw County—				
• Saginaw.....	Jan. 16-23.....	1		
St. Clair County.....	Nov. 1-30.....	1		
Port Huron.....	Nov. 1-30-Dec. 5.....	3		
Wayne County—				
• Detroit.....	Jan. 10-30.....	4		
		34		
Minnesota:				
Becker County.....	Dec. 7-13.....	1		
Benton County.....	Oct. 26-Nov. 2.....	1		
Brown County.....	Oct. 20-Nov. 23.....	11		
Carver County.....	Dec. 7-13.....	6		
Cass County.....	Oct. 12-Dec. 7.....	1		
Chippewa County.....	Nov. 3-9.....	1		
Cottonwood County.....	Oct. 20-26.....	1		
Dodge County.....	Nov. 24-Dec. 7.....	2		
Faribault County.....	Dec. 7-13.....	1		
Hennepin County.....	Oct. 6-12.....	1		
• Minneapolis.....	Nov. 1-Dec. 31.....	21		
Hubbard County.....	Oct. 19-Dec. 7.....	11		
Jackson County.....	Dec. 7-13.....	1		
Lac qui Parle County.....	Nov. 2-Dec. 13.....	3		
Lyon County.....	Nov. 16-Dec. 13.....	2		
Morrison County.....	Nov. 20-Dec. 13.....	20		
Nicolett County.....	Nov. 16-Dec. 13.....	3		
Norman County.....	Dec. 7-13.....	5		
Pipestone County.....	Dec. 7-13.....	6		
Ramsey County.....	Nov. 16-Dec. 7.....	2		
• St. Paul.....	Oct. 6-Dec. 13.....	57		
Renville County.....	Dec. 1-7.....	1		
St. Louis County.....				
• Duluth.....	Nov. 9-Jan. 22.....	3		
Sibley County.....	Dec. 7-13.....	9		
Stearns County.....	Nov. 9-Dec. 7.....	4		
Steele County.....	Oct. 20-Dec. 7.....	4		
Stevens County.....	Nov. 9-Dec. 13.....	12		
Todd County.....	Nov. 9-Dec. 13.....	3		
Wabasha County.....	Nov. 2-Dec. 7.....	10		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Wadena County	Nov. 2-Dec. 13....	15	
Saskatchewan County	Oct. 26-Dec. 7	9	
Washington County	Nov. 24-30.....	1	
Stillwater	Dec. 1-31	3	
Winona County	Dec. 1-7	1	
Winona	Dec. 1-7	4	
Yellow Medicine County..	Oct. 20-26.....	1	
Total for State.....		237	
Mississippi:				
De Soto County.....	Nov. 1-Dec. 22....	135	
Total for State.....		135	
Missouri:				
St. Joseph	Dec. 1-31	1	
St. Louis	Dec. 20-Jan. 16	4	
Springfield	Nov. 1-Dec. 31....	2	
Total for State.....		7	
Montana:				
Butte	Dec. 2-Jan. 29....	17	
Total for State.....		17	
Nebraska:				
Lincoln	Nov. 1-Dec. 30....	5	
South Omaha.....	Dec. 20-Jan. 16....	2	
Total for State.....		7	
New Hampshire:				
Hinsdale	Nov. 1-Dec. 15....	6	
West Chesterfield.....	Nov. 1-Dec. 15....	1	
Westmoreland	Nov. 1-Dec. 15....	1	
Total for State.....		8	
North Carolina:				
Bertie County	Nov. 1-30	1	
Catawba County	Nov. 1-30	1	
Currituck County	Nov. 1-30	3	
Johnston County	Nov. 1-30	1	
Pasquotank County	Nov. 1-30	17	
Wilmington	Jan. 22	1	Imported.
Total for State.....		24	
Ohio:				
Cincinnati	Dec. 12-Jan. 22....	55	
Newark	3	Year 1908.
Tiffin	Jan. 3-23	2	
Total for State.....		60	
Oregon:				
Clackamas County	Sept. 1-30	1	
Harney County	Sept. 1-30	1	
Jackson County	Oct. 1-31	1	
Linn County	Sept. 1-Oct. 31....	5	
Marion County.....	Sept. 1-Oct. 31....	3	
Multnomah County, Port- land	Nov. 1-30	29	
Polk County.....	Sept. 1-Oct. 31....	8	
Tillamook County.....	Oct. 1-31	1	
Umatilla County	Sept. 1-30	1	
Wallowa County	Oct. 1-31	1	
Washington County.....	Oct. 1-31	17	
Yamhill County.....	Sept. 1-30	7	
Total for State.....		75	
Pennsylvania:				
Gracedale	Oct. 24	1	Present.
New Kingstown.....	Dec. 29	
Philadelphia	Dec. 19-25	1	Imported.
Pittsburg	Dec. 13-19	1	
Total for State.....		3	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Green County	Jan. 2.....	103		Including Greenville.
Knoxville	Dec. 28-Jan. 16 ..	7		
Memphis	Jan. 18.....	1		Imported.
Nashville	Dec. 20-Jan. 30 ..	15		
Polk County	Jan. 22.....	30		
Total for State		156		
Texas:				
Cost	Oct. 1-Dec. 19.....			Present.
Cotulla	Jan. 25.....			Do.
Faltrrias	Dec. 26.....	12		
Fort Worth		256		Year 1908.
Laredo	Dec. 26.....	2		
Monthalia	Oct. 1-Dec. 19.....			Present.
Oak Forest	Oct. 1-Dec. 19.....			Do.
San Antonio	Dec. 13-Jan. 23 ..	36		
San Augustine County	Jan. 5.....			Do.
Total for State		306		
Utah:				
Davis County	Nov. 1-30.....	5		
Salt Lake City	Dec. 1-31.....	77		
Weber County	Nov. 1-30.....	1		
Total for State		83		
Vermont:				
Newfane	Jan. 11.....	8		And vicinity.
West Windsor	Jan. 23.....	2		
Total for State		10		
Virginia:				
Lynchburg	Jan. 10-30.....	3		Imported.
Total for State		3		
Washington:				
Seattle	Nov. 1-Oct. 31 ..	10		
Spokane	Dec. 6-Jan. 2.....	3	1	
Tacoma	Dec. 14-Jan. 17 ..	31		
Total for State		44	1	
Wisconsin:				
La Crosse	Dec. 13-Jan. 23 ..	20		
Manitowoc	Dec. 13-Jan. 23 ..	5		
Milwaukee	Dec. 6-Jan. 23 ..	57		
Total for State		82		
Grand total for the United States		2,694	10	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Jan. 23	38,973	20	...	1	2	...	1
Ann Arbor, Mich.	do	14,509	4	1	1
Auburn, N. Y.	Jan. 9	30,345	5	6	1
Do.	Jan. 16	30,345	10	1
Baltimore, Md.	Jan. 23	508,957	180	17	27	7	3	11	1	22	1	81	...	5	...
Bath, Me.	Jan. 9	10,477	4
Bayonne, N. J.	Jan. 23	32,722	...	1	4	...	2	...	18
Beaver Falls, Pa.	do	13,000	1	1	...	1
Berkeley, Cal.	Jan. 16	13,214	16	...	3	1	...	2	1	1
Biddeford, Me.	Jan. 23	16,115	1
Binghamton, N. Y.	do	38,647	17	...	3	1
Boston, Mass.	do	560,892	226	65	30	7	4	66	3	77	4	49	...	48	4
Bradford, Pa.	do	15,029	5	2
Brockton, Mass.	do	40,063	15	...	1	6	1	2	...	46	1	2	...
Cambridge, Mass.	do	91,886	34	5	3	16	2	8	2	14	...	5	...
Camden, N. J.	do	75,935	35	11	...	6	1	2
Carbondale, Pa.	do	13,536	3	2	2	2
Charlotte, N. C.	Jan. 22	18,091	5	...	3	1	1
Chelsea, Mass.	Jan. 23	34,072	8	2	2	...	2	1	2
Chicago, Ill.	do	1,698,575	622	119	65	46	3	228	10	175	19	110	4	18	1
Chicopee, Mass.	do	19,167	8	...	2	1
Cincinnati, Ohio.	Jan. 22	325,902	125	18	14	1	...	11	1	11	1	4	...	3	...
Cleveland, Ohio.	do	381,788	117	33	14	6	1	28	...	26	2	12	1	31	...
Clinton, Mass.	Jan. 23	13,667	6	1	1
Columbus, Ga.	do	17,614	5	...	1
Covington, Ky.	do	42,938	12	...	1	3	...	1
Danville, Ill.	Jan. 24	16,534	11	1	...	2
Dayton, Ohio.	Jan. 23	85,333	48	...	1	1	...	1	...	4	...	4
Duluth, Minn.	Jan. 21	80,000	22	2	5	4	...	20	3
Dunkirk, N. Y.	Jan. 23	11,616	4	2	1
East Liverpool, O.	Jan. 9	16,485	4	...	1
Do.	Jan. 16	16,485	4
Do.	Jan. 23	16,485	1
Elkhart, Ind.	do	15,184	4	3	8
Elmira, N. Y.	do	35,672	11	...	1
El Paso, Tex.	Jan. 19	15,905	17	2	4	5	1
Erie, Pa.	Jan. 23	52,733	16	2	1	1	...	10	...	1	1	12	...
Evansville, Ind.	do	59,007	23	2	3	2	5	...	1
Everett, Mass.	do	24,336	7	1	...	1	...	2
Fall River, Mass.	do	104,863	33	2	2	1	...	5	...	1	...	5	...	2	...
Findlay, Ohio.	do	17,613	4	3
Port Wayne, Ind.	Jan. 16	45,115	14	...	1	2	2
Do.	Jan. 23	45,115	16	...	6	1	4
Galesburg, Ill.	do	18,607	4	1
Galveston, Tex.	Jan. 22	37,789	11	3	1	1	6	1
Glens Falls, N. Y.	Jan. 23	13,543	4	...	1
Gloucester, Mass.	Jan. 16	26,121	3
Do.	Jan. 23	26,121	9	...	1
G'd Rapids, Mich.	do	87,565	29	...	2	1	...	21	...	7	...	4	...	13	...
Great Falls, Mont.	Jan. 16	14,930	4	6	1	12	...	1	...	10
Greensboro, N. C.	Jan. 23	10,035	...	1	1	...	1
Greenville, S. C.	Jan. 9	11,860	5	3
Do.	Jan. 16	11,860	4	2
Do.	Jan. 23	11,860	3	2	...	1
Hartford, Conn.	Jan. 17	79,850	30	6	3	5	...	1	1	...
Haverhill, Mass.	Jan. 23	37,175	9	1	1	1	5
Harrison, N. J.	do	10,596	2	1
Hoboken, N. J.	do	59,364	...	7	2	...	4	...	1
Homestead, Pa.	Jan. 21	12,554	7	...	1	1
Indianapolis, Ind.	Jan. 24	169,164	57	1	4	1	...	7	...	8	1	8
Jacksonville, Fla.	Jan. 23	28,429	16	1	3	2	2
Jersey City, N. J.	Jan. 24	206,433	98	1	11	14	4	10	3	99	...	2	1
Johnstown, Pa.	Jan. 23	35,936	22	...	2	4	1	11	1	5	1	3
Kansas City, Kans.	Jan. 23	51,418	23	...	4	1	7	...	1
Kansas City, Mo.	do	163,752	52	...	2	3	2	5	...	6	2	3
Kearny, N. J.	do	10,896	6	2	2
Knoxville, Tenn.	do	32,637	...	1	1	25
La Crosse, Wis.	do	28,895	2	1	2
La Fayette, Ind.	Jan. 25	18,116	4	1
Lancaster, Pa.	Jan. 23	41,459	10	1	1	4	3	...
Lawrence, Mass.	do	62,559	31	1	6	3	1	...	1	7	...	10	3	4	...

* Two deaths from tuberculosis occurred in the State Hospital.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Lebanon, Pa.	Jan. 23	17,628	7	1	1	1	—	2	—	2	—	2	—	—	—
Lexington, Ky.	do	26,369	11	—	—	—	—	—	—	—	—	—	—	—	—
Los Angeles, Cal.	Jan. 16	102,479	94	6	18	5	—	25	—	13	—	2	—	—	—
Lowell, Mass.	Jan. 23	94,969	32	9	4	2	—	1	—	8	—	—	—	3	—
Lynchburg, Va.	do	18,891	—	1	—	—	—	—	—	—	—	—	—	—	—
Lynn, Mass.	do	68,513	28	—	1	—	—	3	—	6	1	5	—	—	—
Malden, Mass.	do	33,664	—	1	1	1	—	1	—	6	—	1	—	1	—
Manchester, N. H.	do	66,987	23	4	4	—	—	1	—	18	—	—	—	—	—
Manitowoc, Wis.	do	11,786	5	—	1	—	—	—	—	4	—	2	—	—	—
Mansfield, Ohio	do	17,650	—	—	—	—	—	2	—	—	—	—	—	—	—
Marquette, Wis.	do	16,196	1	—	—	—	—	3	—	—	—	—	—	—	—
Marion, Ind.	do	17,337	4	—	—	—	—	2	—	—	—	—	—	—	—
Marion, Ohio.	Jan. 21	11,862	—	—	—	1	—	—	—	—	—	—	—	—	—
Marlboro, Mass.	Jan. 16	13,609	4	—	—	—	—	—	—	—	—	—	—	—	—
Do.	Jan. 23	13,609	3	—	—	—	—	—	—	1	—	1	—	—	—
Massillon, Ohio	Jan. 9	11,944	1	—	—	—	—	—	—	—	—	—	—	—	—
Medford, Mass.	Jan. 23	18,244	4	1	—	1	—	1	1	3	—	—	—	—	—
Melrose, Mass.	Jan. 16	12,962	2	—	—	—	—	6	—	1	—	—	—	—	—
Milwaukee, Wis.	do	285,315	74	12	60	13	3	34	1	33	2	—	—	—	—
Do.	Jan. 23	285,315	82	11	12	9	2	27	2	22	6	36	1	2	—
Mobile, Ala.	Jan. 16	38,469	17	—	—	3	1	—	—	2	—	—	—	—	—
Do.	Jan. 23	38,469	17	2	1	—	—	—	—	—	—	—	—	—	—
Montclair, N. J.	do	13,961	4	1	—	—	—	3	—	8	—	1	—	—	—
Montgomery, Ala.	Jan. 22	30,346	12	—	—	—	—	—	—	—	—	—	—	—	—
Moline, Ill.	Jan. 24	17,248	4	—	—	—	—	1	—	—	—	1	—	—	—
Morristown, N. J.	Jan. 23	13,000	3	1	—	—	—	2	—	—	—	—	—	—	—
Mount Vernon, N. Y. ^a	Jan. 9	21,228	6	1	—	—	—	1	—	—	—	16	—	—	—
Do.	Jan. 23	21,228	5	—	—	2	—	—	—	—	—	21	—	3	—
Muncie, Ind.	do	20,912	6	—	—	—	—	—	—	5	1	1	—	—	—
Nanticoke, Pa.	do	12,616	3	—	—	—	—	—	—	4	1	—	—	—	—
Nashville, Tenn.	do	80,865	42	2	11	1	—	1	—	4	—	—	—	—	—
Nebraska City, Nebr.	do	7,200	4	—	—	—	—	—	—	1	—	—	—	—	—
Newark, N. J.	do	246,070	100	—	20	2	1	38	1	30	2	—	1	—	—
New Bedford, Mass.	do	63,442	25	6	1	—	—	4	—	6	—	1	—	9	—
Newburyport, Mass.	do	14,478	5	—	—	—	—	—	—	1	—	—	—	—	—
New London, Conn.	do	17,548	8	—	1	—	—	—	—	1	1	—	—	—	—
New Orleans, La.	Jan. 23	278,104	163	22	21	17	3	22	—	4	—	—	—	—	—
Newton, Mass.	do	33,587	5	1	—	—	—	5	—	2	1	—	—	—	—
New York, N. Y.	do	3,437,202	1,499	457	179	34	8	359	18	377	49	468	21	23	4
Niagara Falls, N. Y.	do	19,457	7	—	—	4	2	1	—	5	—	—	—	—	—
Norristown, Pa.	do	22,265	13	5	5	1	—	—	—	—	—	—	—	—	—
North Adams, Mass.	do	24,200	3	—	—	—	—	—	—	1	—	—	—	—	—
Northampton, Mass.	do	18,643	4	—	—	1	—	—	—	—	—	26	—	—	—
Oil City, Pa.	Jan. 16	13,264	4	—	—	—	—	—	—	—	—	1	—	—	—
Orange, N. J.	Jan. 23	24,141	9	1	—	—	—	—	—	—	—	1	—	—	—
Ottumwa, Iowa.	do	18,197	13	—	—	—	—	—	—	3	1	—	—	—	—
Passaic, N. J.	Jan. 22	27,777	14	2	2	—	—	—	—	1	—	—	—	—	—
Pittsburg, Pa.	Jan. 23	321,616	166	42	11	14	1	28	2	13	2	29	1	21	—
Pittsfield, Mass.	Jan. 9	21,766	10	2	1	—	—	4	—	—	—	—	—	—	—
Do.	Jan. 16	21,766	12	1	—	—	—	1	—	—	—	—	—	—	—
Plainfield, N. J.	Jan. 23	15,369	5	—	1	—	—	—	—	—	—	—	—	—	—
Plymouth, Pa.	do	13,649	—	—	—	—	—	—	—	3	—	1	—	—	—
Portland, Me.	Jan. 9	50,145	17	1	—	—	—	—	—	3	—	4	—	—	—
Do.	Jan. 16	50,145	16	2	1	2	—	1	—	1	—	1	—	—	—
Do.	Jan. 23	50,145	16	1	—	2	—	1	—	—	—	1	—	2	—
Portsmouth, N. H.	do	10,637	—	—	—	—	—	—	—	1	—	—	—	—	—
Portsmouth, Va.	Jan. 26	17,427	1	—	—	—	—	2	—	1	—	—	—	—	—
Providence, R. I.	Jan. 23	175,597	73	5	7	—	1	9	1	20	1	—	—	—	—
Racine, Wis.	do	29,102	9	—	—	—	—	—	—	—	—	—	—	—	—
Reading, Pa.	Jan. 25	78,961	40	2	1	1	—	3	1	3	1	1	—	—	—
Richmond, Va.	Jan. 23	85,050	32	4	8	2	1	—	—	3	—	—	—	2	—
Rockford, Ill.	Jan. 23	31,051	—	—	—	—	—	2	—	3	1	—	—	—	—
Rock Island, Ill.	Jan. 16	19,493	6	—	—	—	—	1	—	—	—	—	—	—	—
Do.	Jan. 23	19,493	8	—	—	—	—	—	—	1	—	—	—	—	—
St. Joseph, Mo.	Dec. 5	102,979	13	2	2	—	—	—	—	3	—	—	—	—	—
Do.	Dec. 12	102,979	20	1	4	—	—	1	—	—	—	—	—	—	—
St. Louis, Mo.	Jan. 23	575,238	201	47	21	5	—	27	—	51	3	178	4	5	—

^a Reported out of date.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
San Antonio, Tex.	Jan. 23	53,321	1	1
Sandusky, Ohio	Dec. 19	19,664	8	1	7	1
Do	Dec. 26	19,664	9	1	1	1
Do	Jan. 2	19,664	2	3
Do	Jan. 9	19,664	4	11	1
Do	Jan. 16	19,664	5	1	8	1
San Francisco, Cal.	do	342,782	126	29	14	7	12	16	2	60	6
Shamokin, Pa.	Jan. 23	18,202	3	1
Somerville, Mass.	do	61,645	13	2	1	16	6	3
South Bend, Ind.	do	35,999	6	1	1	7	8
Spokane, Wash.	Jan. 16	38,848	26	2	8	11	8
Springfield, Ill.	Jan. 21	34,159	17	3	4
Springfield, Mass.	Jan. 23	62,659	21	1	2	1	2	4	2
Springfield, Ohio.	do	38,253	16	4	1	1	1	1
Steelton, Pa.	do	12,068	2	2	1
Tacoma, Wash.	Jan. 10	37,714	15	3	6
Do	Jan. 17	37,714	17	3	1	7	2	1
Taunton, Mass.	Jan. 23	31,036	14	1
Terre Haute, Ind.	do	36,673	14	2	2	5	1	2
Tiffin, Ohio.	do	10,898	3
Titusville, Pa.	do	8,244	2
Topeka, Kans.	Jan. 16	33,608	8	2	1	1
Do	Jan. 23	33,608	20	1	1
Trenton, N. J.	do	73,307	4	1	1	1	3
Waltham, Mass.	do	23,481	4	1	5	3	4	1
Warren, Pa.	Jan. 17	8,043	5	1
Washington, D. C.	Jan. 23	278,718	109	32	15	28	4	28	4	6	1	314	1	4
Wheeling, W. Va.	do	38,878	11	2	3	2	1
Wilkes-Barre, Pa.	Jan. 22	51,721	22	1	6	7	14
Wilkinsburg, Pa.	Jan. 21	13,000	6	3	1	1	3
Williamsport, Pa.	Jan. 23	28,757	7	1	1	1	1
Wilmington, Del.	do	76,508	28	2
Winona, Minn.	Jan. 26	19,714	6
Woburn, Mass.	Jan. 23	14,254	4
Worcester, Mass.	Jan. 16	118,421	40	4	7	12	13	2
York, Pa.	Jan. 23	33,708	5	3	2	2	1

FOREIGN AND INSULAR

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, January 13, 1909.]

CHOLERA.

DUTCH INDIES.—December 7. Quarantine measures against Singapore suspended.

MALTA.—December 24. Kertsch, Kherson, Odessa, Taganrog, and Theodosia declared no longer infected.

RUSSIA.—December 27. The governments of Kherson and Jenisseisk, the Transcaspian territory, Syr-Darja, Ferghana, and the Dneiper from Kief to Kherson declared free from cholera.

TURKEY.—December 29. Vessels from Russian ports of the Black Sea having emigrants or other aggregations of men on board are subject at the lazaretto of Sinope to 3 days' quarantine and the prescribed disinfection measures.

PLAGUE.

BRITISH EAST INDIES.—December 9. The port of Verawal, in the Presidency of Bombay, declared free of plague; quarantine measures at the port of Orissa against arrivals from Verawal no longer in force. December 14. Quarantine measures at the same port against Cannanore suspended.

CHINA.—December 17. The German consul has suspended sanitary police control of German vessels arriving at Niuchwang from Canton, Hongkong, and Swatow. The importation of rags, old paper, coffins containing bodies, and moist earth is still forbidden.

EGYPT.—December 21. Plague regulations in force as regards arrivals from the littoral between El Wedj and Jiddah and against the places named.

SWEDEN.—December 29. The Russian government of Astrakhan and the port of Swatow in China declared free of plague.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, December 31:

December 16–31: Rodents taken by the maritime sanitary service, 448; examined by the laboratory of health, 102; result negative. Classification of rats: *Mus norvegicus*, 376; *Mus rattus*, 20; *Mus alexandrinus*, 3; *Mus musculus*, 49.

Rat fleas determined.

<i>Pulex cheopis</i> , on <i>Mus norvegicus</i>	23
On <i>Mus rattus</i>	45

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, December 28:

Two weeks ended December 26. Vessels inspected and received bills of health: December 14 the British steamship *Hydra*, for New Orleans, in water ballast, with no passengers and no change in the personnel of the crew; December 18 the British steamship *Verdi*, for New York, in coffee cargo, with no change in the crew personnel and with 4 cabin and 1 steerage passengers from this port; December 21 the German steamship *Seigmund*, for New York, with coffee, no change in the crew personnel and with 3 cabin and 2 steerage passengers from this port; December 23 the British steamship *Ras-Issa*, for New Orleans and New York, via Santos, Brazil, with cargo of coffee, no passengers and no change in the crew personnel; December 24 the British steamship *Terence*, for New York, in coffee cargo, with 2 cabin passengers from this port and no change in the crew personnel; on the same date the British steamship *Spanish Prince*, for New Orleans, in cargo of coffee, with 4 cabin passengers and no change in the crew personnel; and December 26 the British steamship *Italian Prince*, in cargo of coffee, for New York, with no passengers and no change in the personnel of the crew.

Mortality in city of Rio de Janeiro—Plague and smallpox.

Week ended December 20. Total estimated population, 811,443. Population, census of 1907, 628,675. Total deaths, 360. No deaths nor cases reported due to yellow fever. Smallpox caused 55 deaths with 150 new reported cases, of which number 47 were in the suburban districts. Plague caused 2 deaths with 4 new reported cases. At the close of the week there were in the hospital São Sebastião 139 cases of smallpox and 22 cases of plague; in the hospital Engenho de Dentro 81 cases of smallpox, and in the hospital Paula Candido 58 convalescent cases of smallpox.

Week ended December 27.

Total deaths, 369. No deaths due to yellow fever, and no cases reported. Eleven new cases of plague were reported with 7 deaths, and 103 cases of smallpox with 56 deaths. Of the total number of cases of smallpox reported, 37 occurred in the suburban portions of the city. At the close of the week there were in the hospital São Sebastião, 134 cases of smallpox, and 16 cases of plague under treatment; in the hospital Engenho do Dentro, 62 cases of smallpox under treatment, and in the hospital Paula Candido, 32 convalescent cases of smallpox.

During the year 1908, to date, only 4 deaths have been caused by yellow fever, and these occurred in the early part of the year.

Report from Bahia—Plague and yellow fever epidemic.

The following is received from the Department of State, under date of February 1:

A cablegram is received from the consul at Bahia, Brazil, reporting plague and yellow fever epidemic.

BRITISH GUIANA.

Report from Georgetown—Status of yellow fever at Paramaribo, Dutch Guiana.

Consul Clare reports, January 5:

The consular agent at Paramaribo states that from the outbreak on December 18 to January 2 there have been 21 cases of yellow fever, 6 of which terminated fatally, 10 recovered, and 5 remained under treatment.

CHINA.

Report from Shanghai—Inspection of vessels—Plague among rats—Precautions against infection of vessels by rats from the shore—Preventive inoculation among rat collectors.

Acting Assistant Surgeon Ransom reports, December 28:

Week ended December 26. Supplemental bills of health were issued to 4 steamships, having an aggregate personnel of 1,567. There were inspected 3 vessels, 420 members of crews, and 613 steerage passengers. Manifests were viséed for 1,239 pieces of freight.

The steamship *Mongolia* from Shanghai to Manila direct was inspected at Woosung about sunset on the day of sailing. No cargo was shipped from Shanghai by this vessel, and none of her Asiatic personnel was allowed ashore. The steamship *Manchuria* also remained in the stream at Woosung, and the steamship *Sikh*, for New York via Hongkong, and the steamship *Tosa Maru*, for Seattle via Japan, were required to remain at buoys in the river instead of coming to the wharves here. These precautions were taken particularly on account of plague among rats here, and with the view of preventing infection of the vessels from that source.

A circular letter was addressed by this office to steamship agents at this port relative to the prevalence of plague among rats, recommending that vessels bound to American ports remain in the stream while here, and that the communication between the crew and shore be limited as much as possible. Rat guards on all lines either to the shore or to lighters were insisted upon, as was also the hoisting of ladders and gangways at night. Loading exclusively by daylight where possible was also recommended, as was also the fumigation at terminal ports of vessels when empty.

Infected rats continue to be found, but no cases have so far been reported among human beings.

Only rats found dead are being examined bacteriologically. Of these about 12 per cent show plague. The infected area is in what is known as Hongkew, and the largest number of infected rats have been found about one block back from the water front, but such animals have been found distributed over a territory more than 2 miles in length. They are also being found in the vicinity of the filter beds from which the local water supply is drawn.

Gangs for the destruction of rats and for rat-proofing work in the native houses and wharfs are to be organized. Rat-proofing is a hopeless task here because of the character of the native buildings, and it will also be a most difficult problem to destroy rats to a degree which will be effective as a prophylactic measure.

Employees engaged in the work of collecting dead rats are now being protected with Haffkine prophylactic, the material being produced in the local laboratory under foreign supervision.

NOTE.—The examination of rats for plague infection at Shanghai was instituted after the occurrence of a plague death on a river boat at Hankau, November 30, under circumstances which indicated that the disease might have been contracted at Shanghai. No cases of human plague having occurred at Shanghai, examination of rats was made with the result that rats undoubtedly dead of plague were found. (See Public Health Reports, January 22, 1909, p. 88.)

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, January 18:

Week ended January 16.

Vessels inspected.....	17
Bills of health issued.....	17
Passenger landed (not inspected).....	1
Members of crews inspected.....	135

During the week no quarantinable disease was reported.

Report from Habana—Inspection of vessels—Smallpox on steamship Alfonso XIII from Veracruz.

Passed Assistant Surgeon Amesse reports, January 25:

Week ended January 23.

Vessels inspected.....	21
Bills of health issued.....	26
Members of crews of outgoing vessels inspected.....	1,379
Passengers of outgoing vessels inspected.....	1,558

The case of yellow fever under treatment at Santiago has been discharged recovered and careful investigation throughout the province fails to disclose further foci.

One case of smallpox was discovered January 19, in the steerage of the Spanish mail steamship Alfonso XIII from Veracruz. The patient was isolated at Las Animas Hospital and all other passengers were sent to Mariel quarantine.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, January 25:

Week ended January 23.

Bills of health issued to 3 vessels leaving for United States ports in good sanitary condition. No quarantinable diseases reported during the week.

Reports from Santiago—Inspection of vessels—Mortality statistics for Santiago from 1888 to 1908, inclusive.

Acting Assistant Surgeon Wilson reports, January 20 and 21:

January 20. Week ended January 16. Bills of health issued to 7 vessels bound for the United States and its dependencies.

No quarantinable disease was reported. The last case of yellow fever was discharged cured on January 12.

January 21. Having recently completed and copied the mortality statistics of this city for the year 1908, comparing it with the past years, I was struck with the fact that at the end of both American interventions the mortality showed a decided decrease. The mortality of a place is apt to vary from year to year within certain limits.

In the accompanying table it will be noted that from the year 1899, the first year after the war, when there were 1,383 deaths, the mortality steadily decreased. In 1902, when the Cuban Republic was instituted, the deaths were 1,009. They remained low for 3 years, beginning to go up again in 1905, when there were 1,180 deaths. The next year, 1906, there were 1,239 deaths. In September, the second American intervention began. The deaths went down to 1,193 in 1907 and to 1,058 in 1908.

The data from 1888 to 1901 is compiled from the vital statistics published monthly by the board of health of this city during the first intervention.

From 1902 the statistics have been compiled by me from the weekly reports of burials sent by the mayor to the consul.

[Inclosure.]

SANTIAGO DE CUBA.

Mortality from 1888 to 1908.

Year.	Mortality.	Population.	Remarks.
1888.....	1,187	45,000	Normal Spanish rule.
1889.....	1,157	45,000	Do.
1890.....	1,009	45,000	Do.
1891.....	1,374	45,000	Do.
1892.....	1,099	45,000	Do.
1893.....	1,187	45,000	Do.
1894.....	1,031	45,000	Do.
1895.....	2,810	45,000	Revolution, Spanish rule.
1896.....	4,012	45,000	Do.
1897.....	4,497	45,000	Do.
1898.....	6,020	45,000	Spanish-American war.
1899.....	1,383	43,000	First American intervention.
1900.....	1,035	43,000	Do.
1901.....	1,000	43,000	Do.
1902.....	1,009	43,000	Cuban Republic (May 20).
1903.....	1,057	45,500	Do.
1904.....	1,008	45,500	Do.
1905.....	1,180	45,500	Do.
1906.....	1,239	45,500	Second American intervention (September).
1907.....	1,193	45,500	Do.
1908.....	1,058	45,500	Do.
1909.....	45,500	Second intervention ended January 23.

GUATEMALA.

Report from Guatemala City—Decrease in smallpox epidemic—Compulsory vaccination.

The following is received from Minister Heimke, under date of January 13:

Energetic measures have been adopted by the Government of the Republic of Guatemala for the control and suppression of smallpox, and the disease is gradually abating. Three weeks ago it was estimated that there were between 2,500 and 2,800 cases of smallpox in

this city, with a death rate of about 30 per cent. Reliable reports state that there are now between 800 and 1,000 cases, distributed between the lazaretto and the various hospitals and treated at private residences, with a death rate of only about 10 per cent. A campaign of compulsory vaccination was inaugurated by the Government of Guatemala.

Smallpox is reported to be perceptibly decreasing in other parts of the Republic.

HAWAII.

Reports from Honolulu—Examination of rats for plague infection— Plague rats at Hilo.

Passed Assistant Surgeon Currie reports, January 16 and 18, through Temporary Chief Quarantine Officer Moore:

Two weeks ended January 9.

Total number of rats taken in Honolulu	957
Trapped	688
Found dead	4
Shot from trees	132
Killed by sulphur dioxide	133
Examined bacteriologically	849
Showing plague infection	0
Rats sent from Hilo	14
Hilo rats showing plague infection	5
Hilo rats still under investigation	6
Classification of rats shot from trees in Honolulu:	
<i>Mus alexandrinus</i>	82
<i>Mus rattus</i>	29
Total classified	111

Classification of rats trapped in Honolulu.

<i>Mus rattus</i>	213
<i>Mus n. rvegicus</i>	81
<i>Mus alexandrinus</i>	165
<i>Mus musculus</i>	233
Total classified	692

Classification of rats killed by sulphur dioxide.

<i>Mus alexandrinus</i>	82
<i>Mus rattus</i>	48
<i>Mus musculus</i>	3
Total classified	133

Average number of traps set daily	1,461
Number of poisons placed	537

NOTE.—Owing to the concentration of the force on the water front to lessen the probability of plague being introduced here from Hilo, the total number of rats taken has decreased, but as soon as this danger passes the trappers will be returned to their former districts.

January 19. Outbreak of plague among rats at Hilo, Island of Hawaii.

In December, 1908, a sanitary inspector for the board of health, Territory of Hawaii, found dead rats in a stable in Hilo known as the city stable; also in another stable less than 100 yards distant. In all, 43 dead rats were found in these stables. The diagnosis of

plague has been confirmed bacteriologically in the case of 5 of these rodents and a provisional diagnosis of plague made in the case of 3 others. The latter were too far decomposed for successful examination.

Upon request of the president of the board of health, and by direction of temporary chief quarantine officer Moore, I proceeded to Hilo, Hawaii, leaving Honolulu January 5 and returning to this station January 16.

Upon my arrival at Hilo an investigation was begun that consumed ten days. The first case of human plague in Hilo died in 1899, and was buried within a few feet of the house in which the case occurred. The house was then burned. The body was buried surrounded by quicklime.

From that time to the present date several outbreaks have appeared in the neighborhood in which the case referred to occurred, the two stables mentioned being but a few yards away. With the exception of a group of 4 cases occurring in 1903-4, about one mile distant, most of the human cases have been in this neighborhood, or have slept at one of the stables mentioned.

Furthermore, the city stable hauls all freight for the Olaa plantation, which had plague in 1907. Much good work had already been done in this neighborhood since the occurrence of the human cases on February 22 and April 6, 1908, respectively. This work consisted in raising all houses above ground or laying concrete floors, and the destruction of most of the rat harbors which had previously existed. This work is to be continued until completed in an area of several blocks about this infected focus.

In dealing with the problem of rat destruction, it was advised that Hilo be divided into 3 districts; the first to include all that portion of the city where infection was known to exist; the second, all of the city on the west side; and the third, all on the east side of the infected area.

In the central district, "the infected district," it was advised that:

1. The work of destroying rat harbors be continued until completed.
2. That poison be placed in every house in this district and be visited once daily to replace any that may have been eaten.
3. That at least 2 traps be set in each house in this district and visited once daily.
4. That every rat hole be located and fumigated with carbon bisulphid twice a week.
5. That a reward be paid for each plague rat brought in and that the trappers be told that the probability of earning such reward was very great if they sought dead rats in this district.
6. That all garbage be collected each afternoon on each working day of the week.

In the adjoining two districts it was recommended that: 1. At least one trap be set in each house. 2. That poison be placed in each house and visited several times weekly.

Arrangement was made to have the interisland vessels that do not come to Honolulu, fumigated at intervals at Hilo. Those that do come to Honolulu will be fumigated there.

Arrangements have also been made to have all vessels plying between Hilo and the mainland fumigated at intervals and a certificate of this fact issued to them. The only exception to this is in the case of vessels of the American-Hawaiian Steamship Company, which occasionally go direct from Hilo to the Pacific coast of the United States. These are too large to be handled at Hilo.

It is considered that all vessels arriving from Hilo without proper certificates of recent fumigation are unsafe, whether they have lain at wharf or were loaded from lighters, as many of the latter are so constructed as to be excellent rat harbors.

The Hilo wharf, which is about a mile from the known area of infection, was inspected with a view to the practicability of making it rat proof, but this was not considered practicable, the frequent fumigation of vessels being preferable. Of the mainland vessels, only those from Eureka, Cal., lie at this wharf, but small vessels and lighters ply between this wharf and all vessels lying in the open roadstead.

A case of plague has occurred in a guinea pig kept near the room where infected rats were being received by the agent of the board of health.

A systematic supervision of the burial of the dead is maintained.

INDIA.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Eakins' reports, December 31:

Week ended December 26. Bills of health issued to the steamship *Dragoman*, bound for Galveston with a total crew of 55, and to the steamship *Warturn*, bound for Boston and New York with a total crew of 67.

Week ended January 2. Bills of health issued to the steamship *Crotafels*, bound for Philadelphia and New York with a total crew of 58, and to the steamship *Moltkefels*, bound for Boston and New York with a total crew of 58. The usual precautions were taken as regards all the vessels named; the holds were fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected.

Week ended December 19. At Calcutta there were 8 deaths from cholera, 9 from plague, and 16 from smallpox. In Bengal 136 cases and 107 deaths from plague. In India, general, 2,249 cases and 1,788 deaths from plague.

ITALY.

Reports from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, January 4 and 11:

Vessels inspected at Naples and Palermo week ended January 2.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Dec. 30	Re d'Italia	New York	669	60	750
30	Craigellachle	Key West			
Jan. 2	Republic	New York	1,674	110	2,100
	Total		2,343	170	2,850

PALERMO.

Dec. 31	Re d'Italia	New York	520	527	291
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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Dec. 30	Re d'Italia	21		13	2	6	42
30	Craigellachie						
Jan. 2	Republic	26	5	17	1	6	55
	Total	47	5	30	3	12	97

PALERMO.

Dec. 31	Re d'Italia	16		8		3	27
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Vessels inspected at Naples and Palermo, week ended January 9.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfect.
Jan. 5	Marianne	Boston			
7	Moltke	New York	527	100	1,300
7	Duca degli Abruzzi	do	1,217	80	1,905
8	San Giovanni	do	324	20	480
9	Queen Amelie	do			
9	Romanic	Boston	687	60	1,150
9	Florida	New York	810	50	1,250
	Total		3,965	310	6,085

PALERMO.

Jan. 9	San Giovanni	New York	358	472	85
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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Jan. 5	Marianne						
7	Moltke	29	1	28	2	8	68
7	Duca degli Abruzzi	37	1	17		10	65
8	San Giovanni	22	1	6			29
9	Queen Amelie						
9	Romanic	20	1	11		6	38
9	Florida	25		11		4	40
	Total	133	4	73	2	28	240

PALERMO.

Jan. 9	San Giovanni	15		16			31
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Smallpox in Naples.—During the week ended January 3 there were 13 cases of smallpox and 1 death reported at the health office of the city of Naples. From the date of the introduction of the disease from Marseille, June 13, 1908, the total number of cases has been 279, with 43 deaths.

Week ended January 10: Seventeen cases of smallpox and 1 death reported at the health office of the city of Naples. Total number of

cases from date of introduction of the disease from Marseille, June 13, 1908, has been 296, with 44 deaths.

Refugees from Sicily and Calabria are all being vaccinated upon arrival.

Status of smallpox in Italy.—Week ended January 3.

Provinces: Rovigo (Pontecchio), 5 cases; (Bosaro), 4 cases; (Grigano), 1 case; (Sant' Apollinare), 1 case; Reggio Calabria (Cinqufrondi), 3 cases; (Maropati), 1 case; Pavia (Pavia), 1 case.

Week ended January 10:

Provinces: Aquila (Lecconei Marti), 1 case; Chieti (Lanciano), 1 case; Benevento (San Giorgio la Molara), 1 case.

JAPAN.

Report from Yokohama—Examination of emigrants.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Manchuria*, December 30: For Honolulu, rejected, 1; advised to wait, 3.

Per steamship *Chiyo Maru*, January 7: For Honolulu, rejected, 1; advised to wait, 3.

Per steamship *Tosa Maru*, January 7: For Seattle, advised to wait, 2. Rejections and detentions were for trachoma.

Report from Kobe—Inspection of vessels—Disinfection.

Acting Assistant Surgeon Smith reports, December 29:

Week ended December 26: Supplemental bills of health were granted to 2 steamships.

There were inspected 38 members of crew and 620 steerage passengers. Thirty-three members of crew were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 77. Manifests were viséed for 4,066 pieces of freight, amounting to 450 tons.

MEXICO.

Report from Mexico City—Yellow fever at Merida and in vicinity of Maxcanu.

The following is received from Dr. Eduardo Liceaga, president of the superior board of health:

During the week ended January 16, 2 cases of yellow fever occurred at Merida and 1 yellow fever death at San Bernardo plantation, 9 kilometers from Maxcanu.

PERU.

Report from Callao—Inspection and fumigation of vessels—Plague at Callao—Status of plague in Peru—Smallpox at Lima—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, January 5:

Week ended January 2. One vessel carrying an aggregate personnel of 60 members of crew, and 1 steerage passenger, was fumigated.

The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases, December 18.	New.	Recovered.	Died.	Remaining December 24.
Lima	13	3	5	2	9
Callao	1				
Trujillo (city)	44	5	1	7	46
Trujillo (country)		9			
Chepen	4				4
San Pedro	9	5	1	4	10
Chiclayo	3	1	2	1	1
Ferreñafe	2	2		1	3
Eten		1		1	
Mollendo	1				1
Pavita	1				1
Monsefu		2		1	1
Piura	3	2		3	2
Catacaos	3				3
Motupe (Province of Lambayeque)	3				3
Oyotún plantation (Province of Chiclayo)	4				4

Eight cases of smallpox were isolated up to December 24 in the lazaretto at Lima. No cases have been reported in Callao.

Two cases of plague have occurred at Callao—one on December 29, the other January 2. The first case died.

Bills of health report: Two cases of plague in the lazaretto, Iquique, December 28. One new case has occurred in 2 weeks: no deaths. A bill of health from Talcahuano reports cases of smallpox.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg.

Acting Assistant Surgeon De Forrest reports, January 10, 18, and 19:

During the week ended January 10, reports of cholera were received for a period covering three days only. At St. Petersburg, the only locality at which cholera is reported, about 10 cases occur daily, with from 2 to 5 deaths. Little is being done there at present to prevent a cholera outbreak in the spring or to stamp out the disease already existing. All waterways in the interior of Russia are frozen.

The next vessel leaving Libau for New York sails January 26. Examination of emigrants begins this week.

January 18. Reports from St. Petersburg, dated January 15, show 29 new cases with 7 deaths, and for the two days previous 19 new cases each day with 8 and 7 deaths, respectively.

During the week ended January 15, 100 emigrants, sailing January 26 per steamship *Korea* for New York, were examined.

January 19. An increase in the number of cholera cases at St. Petersburg is reported. On January 17, 34 new cases with 9 deaths were reported, and January 18, 59 new cases with 21 deaths. More than 200 cases are reported present in the city.

Leprosy in the Province of Courland.

The report of the medical department of the government of Courland shows the total number of lepers in the province for the year 1907 to have been 176, of which number 139 were inmates of leper

hospitals and 37 lived outside. The latter number were distributed in 6 districts, the highest number in any one district being 25 and the lowest 1.

Doctor De Forrest further states that at the present date several hundred cases are reported as isolated at Grobin, which is in the Province of Courland. Libau is situated in the same province.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND
CITIES—UNTABULATED.

AFRICA—*Lourenço Marquez*.—Month of November, 1908. Estimated population, 10,000. Total number of deaths 28, including 7 from tuberculosis.

ALGERIA—*Algiers*.—Month ended December 15, 1908. Estimated population, 155,000. Total number of deaths 332, including diphtheria 2, smallpox 29, measles 1, whooping cough 2, and 48 from tuberculosis.

AUSTRALIA—*Queensland—Brisbane*.—Month of December, 1908. Estimated population, 135,655. Total number of deaths, 119, including enteric fever 1, measles 2, plague 1, and 9 from tuberculosis.

AUSTRIA-HUNGARY—*Brünn*.—Month of November, 1908. Estimated population, 108,944. Total number of deaths, 238, including tuberculosis 52, diphtheria 2, and 3 from scarlet fever.

BAVARIA—*Munich*.—Month of November, 1908. Estimated population, 556,000. Total number of deaths, 819, including scarlet fever 9, diphtheria 15, measles 4, whooping cough 6, and 120 from tuberculosis.

BRAZIL—*Pernambuco*.—Two weeks ended November 30, 1908. Estimated population, 210,000. Total number of deaths, 270, including yellow fever 1, smallpox 16, enteric fever 2, plague 3, and 55 from tuberculosis.

CHILE—*Punta Arenas*.—Month of November, 1908. Estimated population, 12,000. Total number of deaths, 28, including diphtheria 1, and 2 from tuberculosis.

CUBA.—Month of October, 1908. Estimated population, 1,572,797. Total number of deaths, 2,167, including enteric fever 16, measles 7, scarlet fever 3, diphtheria 24, yellow fever 1, and 299 from tuberculosis.

DUTCH GUIANA—*Paramaribo*.—Month of December, 1908. Estimated population, 34,870. Total number of deaths, 148, including 4 from yellow fever.

FRANCE—*Nice*.—Month of November, 1908. Estimated population, 150,881. Total number of deaths, 192, including diphtheria 1, enteric fever 5, and 25 from tuberculosis.

St. Etienne.—Two weeks ended December 31, 1908. Estimated population, 150,000. Total number of deaths, 158, including enteric fever 3, scarlet fever 1, diphtheria 1, and 31 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended January 9, 1909, correspond to an annual rate of 17.5 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand six hundred and seventy-two deaths were registered during the week, including measles 72, scarlet fever 4, diphtheria 20, enteric fever 8, whooping cough 14, tuberculosis 138, and 17 from diarrhea. The deaths from all causes correspond to an annual rate of 18 per 1,000. In greater London 2,360 deaths were registered. In the "outer ring" the deaths included 4 from measles, 4 from diphtheria, and 2 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 9, 1909, in the 21 principal town districts of Ireland was 20.4 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Sligo, viz, 4.8, and the highest in Kilkenny, viz, 44.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended January 9, 1909, correspond to an annual rate of 19.5 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Perth, viz, 27.9, and the lowest in Leith, viz, 13.4 per 1,000. The aggregate number of deaths registered from all causes was 698, including measles 1, diphtheria 7, scarlet fever 5, whooping cough 33, and 2 from enteric fever.

GREECE—*Patras.*—Two weeks ended December 31, 1908. Estimated population, 37,401. Total number of deaths, 33, including smallpox 1, scarlet fever 6, diphtheria 3, and 5 from tuberculosis.

HAWAII—*Honolulu.*—Month of December, 1908. Census population, 39,306. Total number of deaths, 82, including 19 from tuberculosis.

ITALY—*Geneva.*—Two weeks ended December 31, 1908. Estimated population, 279,163. Total number of deaths, 285, including enteric fever 1, measles 6, and 26 from tuberculosis.

MAURITIUS—*Port Louis.*—Month of October, 1908. Estimated population, 376,635. Total number of deaths, 970, including enteric fever 7, measles 1, plague 26, and 67 from tuberculosis.

SPAIN—*Almeria.*—Month of December, 1908. Estimated population, 50,000. Total number of deaths, 118, including enteric fever 4, whooping cough 2, and 8 from tuberculosis.

Cádiz.—Month of December, 1908. Estimated population 69,382. Total number of deaths 190, including enteric fever 4, whooping cough 12, and 40 from tuberculosis.

Madrid.—Annual report for the year, 1908. Estimated population 547,399. Total number of deaths, 13,370, corresponding to a death rate of 23.31 per 1,000, including enteric fever 185, smallpox 25, measles 223, scarlet fever 65, whooping cough 57, diphtheria 92, and 1,758 from tuberculosis.

Month of December, 1908. Total number of deaths, 1,576, including diphtheria 18, enteric fever 12, measles 131, scarlet fever 5, whooping cough 5, smallpox 12, and 144 from tuberculosis.

Seville.—Month of December, 1908. Estimated population, 148,315. Total number of deaths, 397, including enteric fever 3, scarlet fever 5, diphtheria 3, whooping cough 2, and 63 from tuberculosis.

TASMANIA—*Hobart*.—Month of November, 1908. Estimated population, 184,008. Total number of deaths, 148, including enteric fever 2, whooping cough 1, diphtheria 2, and 8 from tuberculosis.

WEST INDIES—*Curaçao*.—Month ended January 8, 1909. Estimated population, 30,400. Total number of deaths, 32.

Turks Islands.—Period from November 28, 1908, to January 16, 1909. Estimated population, 1,800. Total number of deaths 9. Cause of deaths not reported.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to February 5, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Nov. 15-Dec. 5....	12	10	
India:				
Bombay.....	Dec. 9-Jan. 5.....		66	
Calcutta.....	Nov. 1-Dec. 19....		65	
Madras.....	Nov. 14-Dec. 18....		49	
Nagapattam.....	Oct. 31-Nov. 6.....		1	
Rangoon.....	Nov. 8-Dec. 26....		10	
Indo-China—Cholen.....	Nov. 9-15.....	1	1	
Persia:				
Tabriz.....	Oct. 9-Nov. 30....	1,000	500	Dec. 9, still present.
Philippine Islands:				
Manila.....	Nov. 1-Dec. 5.....	77	52	
Provinces—				
Antique.....	Nov. 1-Dec. 5.....	150	85	
Bataan.....	Nov. 1-7.....	1	1	
Bulacan.....	Nov. 1-Dec. 5.....	70	59	
Capiz.....	Nov. 1-Dec. 5.....	511	278	
Cagayan.....	Nov. 1-Dec. 5.....	46	34	
Cavite.....	Nov. 1-Dec. 5.....	55	39	
Ilocos Norte.....	Nov. 1-Dec. 5.....	158	125	
Ilocos Sur.....	Nov. 1-Dec. 5.....	131	84	
Iloilo.....	Nov. 1-Dec. 5.....	230	116	
La Laguna.....	Nov. 1-Dec. 5.....	53	37	
Leyte.....	Nov. 1-Dec. 5.....	39	27	
Nezros Occidental.....	Nov. 1-Dec. 5.....	188	128	
Palawan.....	Nov. 1-28.....	7	4	
Pampanga.....	Nov. 1-28.....	3	3	
Rizal.....	Nov. 1-28.....	71	60	
Samar.....	Nov. 1-Dec. 5.....	116	83	
Surigao.....	Nov. 15-21.....	1		
Union.....	Nov. 1-7.....	6	4	
Russia, general.....	Nov. 15-Jan. 2....	2,796	1,208	Dec. 1, 3 cases are reported
Amolinsk.....	Nov. 15-Dec. 19....	29	13	present at Riga. From 1 to 4
Bakoo.....	Nov. 22-28.....	3	2	cases are reported weekly
Batoom.....	Nov. 15-21.....	4	2	from the following places:
Cronstadt.....	Nov. 15-21.....	1	1	Schuscka, Dnjeptrowsk (Sim-
Don, territory of.....	Nov. 15-Dec. 31....	141	74	feropol), Bijsk, Smeinogorsk,
Ekaterinislav.....	Nov. 15-Dec. 26....	27	11	Barnoul, Pokrowsk, Jusowska,
Erivan.....	Dec. 1-31.....	28	21	Etschmiadsin, and Dorpat.

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Kerson	Nov. 15-Dec. 19...	2	...	
Kharkov	Dec. 6-12.....	1	...	
Kief	Nov. 15-Dec. 12...	11	1	
Kooban	Nov. 15-Dec. 31...	139	76	
Kostroma	Dec. 6-12.....	1	...	
Livonia	Nov. 15-21.....	2	1	
Moscow district	Dec. 6-12.....	2	2	
Odessa	Nov. 29-Dec. 12...	2	2	
Olonets	Nov. 21-28.....	1	1	
Poltava	Nov. 29-Dec. 5....	3	...	
Samara gov't dist.	Nov. 29-Dec. 5....	7	7	
Samarcand	Dec. 6-12.....	10	7	In vicinity.
Sarstov	Nov. 15-Dec. 12...	11	6	
Semipalatinsk, territory of.	Dec. 19-26.....	1	...	
Stavropol	Nov. 15-21.....	1	...	
St. Petersburg, government	Nov. 15-Dec. 12...	11	3	
St. Petersburg	Nov. 29-Dec. 31...	683	215	Jan. 19, still present.
Tambov	Nov. 15-Dec. 12...	16	8	
Tavride	Nov. 15-Dec. 19...	9	5	
Terek, territory of	Nov. 15-Dec. 19...	99	62	
Tiflis	Nov. 15-21.....	9	4	
Tomsk	Nov. 15-Dec. 19...	81	37	
Tver, district	Nov. 15-Dec. 5....	4	...	
Volgoda	Dec. 6-12.....	1	...	
Yelisevetspol	Nov. 26-Dec. 5....	5	10	
Siam:				
Bangkok	Nov. 1-30	Present.
Straits Settlements:				
Singapore	Nov. 8-Dec. 19...	...	90	

YELLOW FEVER.

Barbados:				
Bridgetown	Dec. 12-Jan. 10....	4	3	Dec. 27-Jan. 4, 2 cases in parish of St. Lucy.
Brazil:				
Bahia	Nov. 15-Dec. 5....	3	2	Feb. 1. Epidemic.
Manaos	Nov. 29-Dec. 19...	...	3	
Para	Nov. 22-Jan. 9....	20	20	
Pernambuco	Nov. 15-30	1	
Cuba:				
Oriente province—				
San Luis	Jan. 1-2	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago where 1 case died Dec. 31.
Dutch Guiana:				
Paramaribo	Dec. 1-Jan. 2....	21	6	
Ecuador:				
Guayaquil	Nov. 29-Jan. 9....	...	12	
Martinique:				
Port de France	Dec. 13-19	1	...	
Mexico:				
Itzineal plantation	Dec. 6-12	2	2	
Maxcanu	Dec. 6-26	2	2	Aug. 22-Dec. 18, 6 cases not previously reported.
Merida	Dec. 6-Jan. 16....	12	5	
San Bernardo plantation ..	Dec. 27-Jan. 16....	2	2	
Sodzil plantation	Dec. 13-Jan. 2....	7	5	
Veracruz	Dec. 6-Jan. 2....	11	4	
Trinidad:				
Port of Spain	Jan. 20	1	

PLAGUE.

Arabia:				
Jiddah	Dec. 22-Jan. 5....	2	...	
Australia:				
Brisbane	Nov. 1-7	1	1	
Brazil:				
Bahia	Nov. 15-Dec. 5....	12	6	Feb. 1. Epidemic.
Pernambuco	Nov. 1-30	6	
Rio de Janeiro	Nov. 16-Dec. 27...	46	23	
Chile:				
Iquique	Nov. 22-Dec. 28...	3	1	
China:				
Hankau	Nov. 30-Dec. 5....	1	1	On river boat Loongwo.
Hongkong	Nov. 8-14	1	1	
Tientsin	Oct. 15-Nov. 21...	Still present.
Tongshan	Nov. 1-14	Present.

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Guayaquil.....	Nov. 29-Jan. 9.....		11	Dec. 19, still present.
Milagro.....	Nov. 17-Dec. 12....	17	8	
Egypt:				
Alexandria.....	Nov. 14-Dec. 4.....	3		
Port Said.....	Dec. 4.....	1		
Provinces—				
Assiout.....	Dec. 2-29.....	2	2	
Beherah.....	Nov. 24-Dec. 26....	11	6	
Galyoobeeyeh.....	Nov. 21-Dec. 17....	1		
Garbieh.....	Nov. 27-28.....	3		
Girgeh.....	Oct. 18-Dec. 30....	4	3	
Fayoum.....	Nov. 23-Dec. 1.....	1	1	
Menouf.....	Nov. 27-Dec. 30....	147	29	
Minieh.....	Nov. 25-Dec. 29....	1		
India:				
Bombay Presidency and Sind.....	Nov. 2-Dec. 17....	7,533	5,307	
Madras Presidency.....	Nov. 2-Dec. 17....	478	354	
Bengal.....	Nov. 2-Dec. 17....	639	535	
United Provinces.....	Nov. 2-Dec. 17....	506	436	
Punjab.....	Nov. 2-Dec. 17....	2,813	2,243	
Burma.....	Nov. 2-Dec. 17....	339	333	
Central provinces, including Berar.....	Nov. 2-Dec. 17....	1,152	865	
Coorg.....	Nov. 2-Dec. 17....	5	3	
Mysore State.....	Nov. 2-Dec. 17....	1,375	937	
Hyderabad State.....	Nov. 2-Dec. 17....	256	222	
Central India.....	Nov. 2-Dec. 17....	502	395	
Rajputana.....	Nov. 2-Dec. 17....	410	413	
Grand total.....		16,008	12,013	
Indo-China:				
Cholen.....	Oct. 25-Dec. 19....	12	11	Including Chuquan.
Saigon.....	Oct. 25-Nov. 28....	4	4	
Japan:				
Formosa.....	Nov. 8-14.....	17	5	
Mauritius.	Oct. 2-Nov. 12.....		43	
Peru:				
Callao.....	Nov. 13-Dec. 24....	4		Jan. 2, still present.
Catacaos.....	Dec. 11-17.....	3		
Chepen.....	Nov. 27-Dec. 17....	9	1	
Chiclayo.....	Nov. 13-Dec. 24....	8	5	
Eten.....	Nov. 13-Dec. 24....	9	8	
Ferrenafe.....	Nov. 13-Dec. 24....	9	3	
Lima.....	Nov. 13-Dec. 24....	27	8	
Mollendo.....	Nov. 13-Dec. 3....	4	2	
Monsefu.....	Nov. 13-Dec. 24....	7	2	
Oyotun, plantation.....	Nov. 20.....	4		
Paita.....	Dec. 11-17.....	3	2	
Piura.....	Dec. 11-24.....	5	3	
San Jose (Lambayeque).....	Nov. 13-Dec. 3....	2		
San Pedro.....	Nov. 13-Dec. 24....	19	12	
Trujillo.....	Nov. 13-Dec. 24....	73	27	
Siam:				
Bangkok.....	Sept. 27-Oct. 24....	5	1	Present in November.
Straits Settlements:				
Singapore.....	Nov. 30-Dec. 5....	1		
Turkey in Asia:				
Bagdad.....	Nov. 6-Jan. 3.....	31	10	
Zanzibar.....	Nov. 10.....	1	1	

SMALLPOX.

Algeria:				
Algiers.....	Dec. 1-15.....		29	Imported.
Arabia:				
Aden.....	Nov. 25-Jan. 4.....		47	
Australia:				
New South Wales—				
Newcastle.....	Nov. 1-30.....	1		
Austria:				
Galicia.....	Dec. 20-Jan. 9.....	6		
Silesia.....	Jan. 3-9.....	1		
Brazil:				
Bahia.....	Nov. 15-Dec. 5....	61	4	
Pernambuco.....	Nov. 1-30.....		38	
Rio de Janeiro.....	Nov. 16-Dec. 27....	971	480	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil—Continued.				
Santos	Nov. 1-Dec. 6		9	
São Paulo	Nov. 1-Dec. 13		24	
Canada:				
British Columbia—				
Vancouver	Dec. 1-31	1		
Victoria	Dec. 12	25	4	
Manitoba—				
Winnipeg	Dec. 20-Jan. 11	5		
Ontario—				
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-28	7		
Nova Scotia—				
Halifax	Dec. 13-Jan. 16	11		
Yarmouth	Dec. 1-31	1		
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Ceylon:				
Colombo	Nov. 1-21	62	13	
Chile:				
Talcaguana	Nov. 20-Jan. 2			Present in vicinity.
China:				
Amoy	Oct. 11-Nov. 8		2	Dec. 19, still present.
Shanghai	Nov. 11-Dec. 12	2		From U. S. transport Seward.
Cuba:				
Habana	Dec. 26-Jan. 19	3		Case Dec. 26 on s. s. <i>Florida</i> ; case Jan. 19 on s. s. <i>Alfonso XIII</i> .
Egypt, general	Nov. 12-Dec. 23	286	65	
Alexandria	Nov. 26-Dec. 2		1	
Cairo	Nov. 19-Dec. 31	48	26	
France:				
Marseille	Dec. 1-31		1	
Paris	Nov. 22-Jan. 2	20	1	
Germany, general	Nov. 19-Jan. 2	11		
Breslau	Dec. 20-26	1		
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Jan. 2		4	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Jan. 19	2		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths.
India:				
Bombay	Nov. 25-Jan. 5		17	
Calcutta	Nov. 1-Dec. 19		47	
Madras	Nov. 28-Dec. 4	1		
Rangoon	Nov. 22-Dec. 19		3	
Indo-China:				
Cholon	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Dec. 19	6	4	
Italy, general	Nov. 30-Jan. 10	71		
Florence	Nov. 24-30	2		
Genoa	Dec. 1-15	1		
Naples	Dec. 7-Jan. 10	90	22	Epidemic.
Polesella	Dec. 1			
Japan:				
Formosa	Nov. 29-Dec. 19	8		
Java:				
Batavia	Nov. 1-Dec. 19	21	2	
Malta	Nov. 22-28	1		On vessel.
Mexico:				
Guadalajara	Jan. 7	1		
Mexico City	Nov. 8-Dec. 5		22	
Monterey	Jan. 4-17	1	1	
Salina Cruz	Jan. 1-15	5		
Venacruz	Dec. 13-Jan. 9	3	2	
Yucatan (Camp Mengel)	Dec. 21	1		
Moluccas Islands	Dec. 12			Present.
Netherlands, The:				
Rotterdam	Jan. 10-16	1		
Newfoundland:				
St. Johns	Jan. 10-23	4		From s. s. <i>Portia</i> .
Norway:				
Christiania	Nov. 22-28	1	1	
Persia:				
Hamadan	Oct. 2-8			Present.
Tabriz	Oct. 2-8			Do.
Teheran	Sept. 18-Oct. 28		10	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru:				
Lima	Nov. 22-Dec. 10	4	Dec. 19, 3 cases in the Lazaretto.
Saia-verry	Nov. 19-25	1	
Philippine Islands:				
Manila	Nov. 1-14	2	2	
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2	
Portugal:				
Lisbon	Nov. 30-Jan. 12	12	
Russia:				
Moscow	Nov. 29-Jan. 2	105	34	
Odessa	Jan. 3-9	7	
Kiga	Nov. 29-Dec. 19	4	
St. Petersburg	Nov. 15-Dec. 26	32	9	
Warsaw	Nov. 1-28	10	
Servia:				
Belgrade	Dec. 6-12	2	
Siam:				
Bangkok	Nov. 1-30	Present.
Siberia:				
Vladivostok	Dec. 14-20	1	
Spain:				
Barcelona	Dec. 6-26	5	
Cartagena	July 1-31	15	
Madrid	Nov. 1-30	9	
Valencia	Nov. 29-Jan. 9	15	3	
Vigo	Nov. 30-Jan. 2	5	
Turkey in Asia:				
Adalia	Sept. 24-27	2	
Turkey in Europe:				
Constantinople	Dec. 7-Jan. 10	35	

Weekly mortality table, foreign and insular cities.

[illegible]

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Constantinople	Jan. 3	1,000,000	278	24				6		15				
Do	Jan. 10	1,000,000	365	49				2		9	1	3		
Copenhagen	Dec. 19	440,000	123	19							1	1		2
Do	Dec. 26	440,000	81	8								1		
Damascus	do	250,000	46									1		
Do	Jan. 2	250,000	50											
Denia	do	12,431	3											
Do	Jan. 9	12,431	3											
Dresden	Dec. 26	545,200	162	19						1		5		
Durban	Dec. 12	60,972	11	1										
Do	Dec. 19	60,972	25	4										2
Dundee	Jan. 9	468,616	80									1		1
East London	Dec. 19	49,253	6							1				
Edinburgh	Jan. 9	355,366	138	15										
Fiume	Dec. 31	50,011	32	10										
Do	Jan. 7	50,011	13	2						1				
Do	Jan. 15	50,011	29	8						1			1	
Flushing	Jan. 2	20,257	9											
Do	Jan. 9	20,257	6											
Do	Jan. 16	20,257	8											
Geneva	Dec. 19	118,500	28								1			
Do	Dec. 26	118,500	26											
Do	Jan. 2	118,500	33											
Ghent	do	165,033	60	3						1			3	
Gibraltar	Jan. 3	26,830	12										1	
Do	Jan. 10	26,830	8	1										
Glasgow	Jan. 15	872,021	326							2	3	5	1	25
Gothenburg	Jan. 9	162,200	51	18						2	1	1		
Greenock	do	72,300	30											
Guadalajara	Jan. 14	125,000	77											
Guayaquil	Jan. 2	75,000	51	8	3									
Halifax	Jan. 16	40,787	16	3								1		
Hamburg	Jan. 9	872,252	300	23							8	8	4	4
Hamilton, Bermuda	Jan. 18	20,206	6											
Havre	Jan. 2	132,430	75	11								1		1
Do	Jan. 9	132,430	75	10						3				
Hongkong	Nov. 14	315,616			1									
Honolulu	Dec. 26	39,306	22	5										
Do	Jan. 2	39,306	11	3										
Hull	do	271,137	102									1	3	
Do	Jan. 9	271,137	89							1	2		15	
Lausanne	Dec. 19	56,000	9											
Do	Dec. 26	56,000	10							1				
Do	Jan. 2	56,0												

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Moscow	Dec. 26	1,335,104	629	87				7	5	3	12	11	8
Monterey	Jan. 17	100,000	64	3				1		1			
Nantes	Jan. 10	161,908	70	16									
Newcastle, N. S. W.	Nov. 30	51,500	62	7									
Newcastle on Tyne	Jan. 9	277,259	89								2	1	3
Niuchwang	Dec. 19	60,000	5										
Nuevo Laredo	Jan. 16	8,000	3	1									
Nottingham	Jan. 2	260,000	100										
Palermo	Dec. 12	330,000	126	6					1	1		2	
Do	Dec. 19	330,000	151	2									
Do	Dec. 26	330,000	143	4					1				
Do	Jan. 2	330,000	145	5									
Para	do	185,000	4										
Do	Jan. 9	185,000	91	11			3						
Paris	do	2,776,394	1,164	233			3						
Plymouth	do	124,180	42							3	6	6	2
Port Elizabeth	Dec. 26	32,959	8							1			2
Port of Spain	Dec. 19	60,000	32	8									
Do	Dec. 26	60,000	27	5									
Do	Jan. 2	60,000	31	3									
Queenstown	Jan. 2	7,684	3						3				
Rangoon	Dec. 19	252,155	148	1				1					
Rio de Janeiro	Dec. 20	811,445	360	85	1			55		2		2	2
Do	Dec. 27	811,445	369	70	7			56		2		4	1
Rotterdam	Jan. 9	411,027	161								1	1	
Do	Jan. 16	411,027	130							2	3	1	
Saigon	Dec. 12	208,000						2					
Do	Dec. 19	208,000			1								
St. John, N. H.	Jan. 16	40,711	8	1									
San F. liu de Guixols	Jan. 9	11,094	6	1									
Santa Cruz de Tenerife	Jan. 2	46,000	12	2									
Santiago de Cuba	Jan. 16	45,497	15	2									
Schledam	Dec. 12	3,183	11										
Do	Dec. 19	31,193	6	1									
Do	Dec. 26	31,193	7										
Do	Jan. 2	31,193	15	1									
Shanghai	Dec. 12	544,500	118	14								1	
Singapore	Dec. 19	260,000	216	25		12				4			
Southampton	Jan. 9	122,196	35	5								1	
South Shields	do	115,535	41	7									
Stettin	do	230,000	90	5								3	2
Sunderland	do	159,137	52	3									7
Tegucigalpa	Jan. 6	24,000	2										
Tientsin	Dec. 5	1,000,000	1							1			
Do	Dec. 12	1,000,000	1										
Trieste	Dec. 19	216,077	93							1	2	1	
Do	Dec. 26	216,077	127										
Turin	Dec. 20	373,701	120	9						2		1	
Do	Dec. 28	373,701	118	10							1	1	2
Valencia	Jan. 2	250,000	137	7								1	
Do	Jan. 9	250,000	113	12									
Veracruz	do	32,000	32	5									
Vevey	Dec. 19	14,000	3										
Do	Dec. 26	14,000	2										
Do	Jan. 2	14,000	4										
Victoria, B. C.	Jan. 16	30,000	7	1									
Vienna	Jan. 2	2,042,426	751	115					1	12	11	9	1
Vigo	do	40,000	21					2		1	1	2	
Do	Jan. 9	40,000	20	2					1	1	1	1	2
West Hartlepool	do	66,750	24										
Winnipeg	Jan. 16	118,000	37	1									
Yokohama	Dec. 21	378,884							1	1			
Do	Dec. 28	378,884							1				
Zanzibar	Dec. 7	75,000	29	5									
Do	Dec. 14	75,000	20	2									
Zurich	Jan. 9	180,000	51	4									2

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.